

ILLINOIS HIGHWAY INFORMATION SYSTEM

ROADWAY INFORMATION AND PROCEDURE MANUAL

ITEM NAME HIGH OCCUPANCY VEHICLE OPERATIONS					ITEM NO. 181
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ENTERED BY	STATE	NON-STATE	HPMS	MUNI	EFFECTIVE DATE
District Program Development	YES	YES	YES	NA	
UPDATE REPORTS	UPDATE SCREENS				INQUIRY SCREENS
None	(10) HOV Operations 1 (11) HOV Operations 2				(60) HOV Operations 1 (61) HOV Operations 2

DESCRIPTION AND PURPOSE OF ITEM

This data item consists of 26 subitems which describe the characteristics of High Occupancy Vehicle (HOV) operations.

This information is used by FHWA and EPA for congestion analysis.

This item can be obtained through the Chicago Area Transportation Study (CATS) commission. If in question, contact the Central Bureau of Urban Program Planning.

CODE AND SCREEN ENTRY INSTRUCTIONS

A 58-digit numeric field.

This field is divided into 26 individual subitems described as follows:

Allowable Use by Type of Vehicle (Length = 5; five fields, each with a length of 1)

<u>Code</u>			
	<u>No</u>	<u>Yes</u>	
181A	0	1	Cars, pickup trucks and vans
181B	0	1	Large trucks (over 2 axle)
181C	0	1	Buses
181D	0	1	Motorcycles
181E*	0	1	Rail Transit within (on or above) the highway ROW
181F	<u>Minimum vehicle occupancy requirements (total persons) except motorcycles</u> (Length = 1)		

<u>Code</u>	<u>Description</u>
0	Nonapplicable
1	2 persons or more
2	3 persons or more
3	4 persons or more
4	Buses only

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181G Highway Facilities Used by HOV Vehicles (Length = 1)

<u>Code</u>	<u>Description</u>
0	Nonapplicable
1	Exclusive HOV lane(s) or roadway (not reversible)
2	Exclusive HOV lane(s) or roadway (reversible)
3	Normal through lane that is signed for exclusive HOV use in specified time periods (concurrent flow, same direction as other traffic)
4	Normal through lane that is signed for exclusive HOV use in specified time periods (contra flow, opposite direction to other traffic)
5	Shoulder used during specified period by HOV
6	Shoulder used during specified period by general traffic
7	All through lanes used by HOV vehicles during specified periods
8	Other; describe in submittal correspondence

181H Delineation/Separation of HOV Lanes(s) (Length = 1)

<u>Code</u>	<u>Description</u>
0	Nonapplicable
1	Permanent, fixed, positive barrier, or separate roadway
2	Movable positive barrier
3	Marked diamond lane(s), with or without drop traffic cones, pylons, painted buffer, or other "soft", temporary separation

Number of Lanes used in HOV Operations (Length = 4; four fields, each with a length of 1)

- 181I Code the number of lanes (including shoulders, if applicable) used by HOV vehicles in the AM peak period. Code zero for nonapplicable section records.
- 181J Code the number of lanes (including shoulders, if applicable) used by general traffic in the AM peak period. Code zero for nonapplicable section records. Code "9" if the number of lanes is greater than 9, but provide a caution in the correspondence.
- 181K Code the number of lanes (including shoulders, if applicable) used by HOV vehicles in the PM peak period. Code zero for nonapplicable section records.

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181L Code the number of lanes (including shoulders, if applicable) used by general traffic in the PM peak period. Code zero for nonapplicable section records. Code "9" if the number of lanes is greater than 9, but provide a caution in the correspondence.

Hours of HOV Operation (Length = 6; three fields, each with a length of 2)

181M Code the number of hours that the HOV facilities are in operation during the AM peak period. Supply leading zeros, as necessary. Code zero for nonapplicable section records.

181N Code the number of hours that the HOV facilities are in operation during the PM peak period. Supply leading zeros, as necessary. Code zero for nonapplicable section records.

181O Code the total number of hours that the HOV facilities are in operation during the day for both directions. Supply leading zeros, as necessary. Code zero for nonapplicable section records.

Traffic Volumes for the AM Peak Period Operations (Length = 16; two fields of 5 followed by two fields of 3)

181P Code the volume of cars, pickup trucks, vans and motorcycles using the HOV lanes/shoulders during the AM peak period. Supply leading zeros, as necessary. Code zero for nonapplicable facilities. (Length = 5)

181Q Code the volume of traffic using the general purpose lanes/shoulders during the AM peak period. Supply leading zeros, as necessary. Code zero for nonapplicable facilities. (Length = 5)

181R Code the volume of buses using the HOV lanes/shoulders during the AM peak period. Supply leading zeros, as necessary. Supply leading zeros, as necessary. Code zero for nonapplicable facilities. (Length = 3)

181S* Code the number of rail rapid transit cars that use the highway facility right of way during the AM peak period. Supply leading zeros, as necessary. Code zero for nonapplicable facilities. (Length = 3)

Traffic Volumes for the PM Peak Period Operations (Length = 16; two fields of 5 followed by two fields of 3)

181T Code the volume of cars, pickup trucks, vans and motorcycles using the HOV lanes/shoulders during the PM peak period. Supply leading zeros, as necessary. Code zero for nonapplicable facilities. (Length = 5)

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- 181U Code the volume of traffic using the general purpose lanes/shoulders during the PM peak period. Supply leading zeros, as necessary. Code zero for nonapplicable facilities. (Length = 5)
- 181V Code the volume of buses using the HOV lanes/shoulders during the PM peak period. Supply leading zeros, as necessary. Code zero for nonapplicable facilities. (Length = 3)
- 181W* Code the number of rail rapid transit cars that use the highway facility right of way during the PM peak period. Supply leading zeros, as necessary. Code zero for nonapplicable facilities. (Length = 3)
- 181X Total Traffic Volume for a typical, non-holiday weekday (Length = 6)
- Enter the total traffic volume for all traffic and all lanes for a typical, non-holiday, 24-hour period of a weekday. This value is to include HOV volumes in addition to the traffic using the general purpose lanes/shoulders. Provide leading zeros as necessary. Code zero for nonapplicable facilities.

HOV Enforcement Areas (Length = 2; two fields, each with a length of 1)

- | | <u>Code</u> | | |
|------|-------------|------------|--|
| | <u>No</u> | <u>Yes</u> | |
| 181Y | 0 | 1 | Continuous shoulders are available for enforcement pull off. |
| 181Z | 0 | 1 | Special pull off areas are available for enforcement in addition to, or instead of, shoulders. |

*Note: Subitems 181E, 181S, and 181W pertain to rail transit within, on or above the highway right-of-way.